TAD01 – (A1 Notes) Analytical Techniques

Name …….

1. A.1.1 State the reasons for using analytical techniques. (1) *Uses should include structure determination, analysis of composition of substances and to determine purity.*
    a. Qualitative Techniques:

    b. Quantitative Techniques:

    c. Provide the uses in the following fields for analytical techniques:
        i. Monitoring and controlling pollutants:

        ii. Clinical and biological studies:

        iii. Geological studies:

        iv. Drug discovery:

        v. Food Purity:

2. A.1.2 State that the structure of a compound can be determined by using information from a variety of analytical techniques singularly or in combination. (1) *Students should realize that information from only one technique is usually insufficient to determine or confirm a structure.*
    a. Justify the need to use several techniques for the identification or confirmation of a material: